

Curvarum Formæ. Sectionis Conicæ. Curvarum Area.

Forma prima. Abscissa. Ordinata.

Fig. 5.

$$\begin{aligned} 1. \frac{dz^{n+1}}{e+fx} &= y. & z^n &= x. & \frac{d}{e+fx} &= v. & \frac{1}{n} s &= t = \frac{aGDB}{n} \\ 2. \frac{dz^{2n+1}}{e+fx^n} &= y. & z^n &= x. & \frac{d}{e+fx} &= v. & \frac{d}{n} z^n - \frac{e}{n^2} s &= t. \\ 3. \frac{dz^{3n+1}}{e+fx^n} &= y. & z^n &= x. & \frac{d}{e+fx} &= v. & \frac{d}{2n^2} z^{2n} - \frac{de}{n^2} z^n + \frac{ee}{n^2} s &= t. \end{aligned}$$

Forma secunda.

Fig. 6, 7.

$$\begin{aligned} 1. \frac{dz^{2n+1}}{e+fx^n} &= y. \sqrt{\frac{d}{e+fx^n}} = x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{2xv \div 4s}{n} = t = \frac{4}{n} ADGa. \\ 2. \frac{dz^{2n+1}}{e+fx^n} &= y. \sqrt{\frac{d}{e+fx^n}} = x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{2de}{n^2} Z \frac{n}{2} + \frac{4es - 2exv}{n^2} = t. \\ 3. \frac{dz^{2n+1}}{e+fx^n} &= y. \sqrt{\frac{d}{e+fx^n}} = x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{2de}{3n^2} Z \frac{n}{2} - \frac{2dee}{n^2} Z \frac{n}{2} - \frac{2exv - 4ees}{n^2} = t. \end{aligned}$$

Forma

Forma tertia.

Fig. 6, 7, 8.

$$\begin{aligned} 1. \frac{d}{z} \sqrt{\frac{d}{e+fx^n}} &= y. \frac{1}{z} = xx. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{4de}{n^2} \text{ in } \frac{V_3}{2cx} - s = t = \frac{4de}{n^2} \text{ in aGDT, vel in APDB} \div TDB. \\ \text{Vel sic, } \frac{1}{zn} &= x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{8dee}{n^2} \text{ in } s - \frac{1}{2} XV - \frac{fv}{4c} + \frac{ffv}{4cex} = t = \frac{8dee}{n^2} \text{ in aGDA} + \frac{ffv}{4cex}. \\ 2. \frac{d}{Z \frac{n}{+1}} \sqrt{\frac{d}{e+fx^n}} &= y. \frac{1}{zn} = xx. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{2d}{n} s = t = \frac{2d}{n} APDB, \text{ seu } \frac{2d}{n} aGDB. \\ \text{Vel sic, } \frac{1}{zn} &= x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{4de}{n^2} \text{ in } s - \frac{1}{2} XV - \frac{fv}{2c} = t = \frac{4de}{n^2} \times aGDK. \\ 3. \frac{d}{Z \frac{2n}{+1}} \sqrt{\frac{d}{e+fx^n}} &= y. \frac{1}{zn} = x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{d}{n} s = t = \frac{d}{n} \times - aGDB \text{ vel BDPK.} \\ 4. \frac{d}{Z \frac{3n}{+1}} \sqrt{\frac{d}{e+fx^n}} &= y. \frac{1}{zn} = x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{3dfs - 2dv_3}{6nc} = t. \end{aligned}$$

Forma quarta.

Fig. 6.

$$\begin{aligned} 1. \frac{d}{Z \sqrt{\frac{d}{e+fx^n}}} &= y. \frac{1}{zn} = xx. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{4d}{n^2} \text{ in } \frac{1}{2} XV \div s = t = \frac{4d}{n^2} \text{ in PAD vel in aGDA.} \\ \text{Vel sic, } \frac{1}{zn} &= x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{8de}{n^2} \text{ in } s - \frac{1}{2} XV - \frac{fv}{4c} = t = \frac{8de}{n^2} \text{ in aGDA.} \\ 2. \frac{d}{Z \frac{n}{+1} \sqrt{\frac{d}{e+fx^n}}} &= y. \frac{1}{zn} = xx. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{2d}{nc} \text{ in } s - XV = t = \frac{2d}{nc} \text{ in POD, vel in AODGa.} \\ \text{Vel sic, } \frac{1}{zn} &= x. \sqrt{\frac{d}{f} - \frac{e}{f} XX} = v. \frac{4d}{n^2} \text{ in } \frac{1}{2} XV \div s = t = \frac{4d}{n^2} \text{ in aDGA.} \end{aligned}$$

Ddd

3.  $Z \frac{2n}{+1}$